

INTERNATIONAL SEARCH REPORT

IB2004/003061

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03F3/45 H03D7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03F H03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/098820 A1 (DIJKMANS EISE CAREL ET AL) 25 July 2002 (2002-07-25) the whole document	1-7
X	EP 0 434 203 A (STC PLC) 26 June 1991 (1991-06-26) figure 3	1,3-7
X	US 6 496 545 B1 (LIU TING-PING) 17 December 2002 (2002-12-17) figures 5a,5b,6,7	1-7
X	US 2003/169089 A1 (MANKU TAJINDER ET AL) 11 September 2003 (2003-09-11) figures 5a-f	1-7
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

9 December 2004

Date of mailing of the international search report

16/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Agerbaek, T

INTERNATIONAL SEARCH REPORT

IB2004/003061

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 847 623 A (HADJICHRISTOS ARISTOTLE) 8 December 1998 (1998-12-08) figure 2 -----	12
A	US 6 308 058 B1 (SOUETINOV VIATCHESLAV I ET AL) 23 October 2001 (2001-10-23) figure 2 -----	1

INTERNATIONAL SEARCH REPORT

IB2004/003061

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002098820	A1	25-07-2002	CN 1419744 T EP 1256179 A1 WO 02060077 A1 JP 2004518366 T	21-05-2003 13-11-2002 01-08-2002 17-06-2004
EP 0434203	A	26-06-1991	GB 2239143 A EP 0434203 A2 IE 904179 A1 PT 96196 A	19-06-1991 26-06-1991 19-06-1991 30-09-1992
US 6496545	B1	17-12-2002	NONE	
US 2003169089	A1	11-09-2003	CA 2375438 A1 EP 1363392 A2	08-09-2003 19-11-2003
US 5847623	A	08-12-1998	AU 739047 B2 AU 9217798 A BR 9812181 A CA 2301734 A1 CN 1113452 B DE 69816998 D1 EP 1012963 A1 HK 1032157 A1 WO 9913568 A1	04-10-2001 29-03-1999 18-07-2000 18-03-1999 02-07-2003 11-09-2003 28-06-2000 12-03-2004 18-03-1999
US 6308058	B1	23-10-2001	GB 2321352 A DE 69706953 D1 DE 69706953 T2 EP 0853374 A1 JP 10233625 A	22-07-1998 31-10-2001 04-04-2002 15-07-1998 02-09-1998